

# Iowa Students & World Class Education



- High expectations
- Quality teachers & administrators
- A system that supports those expectations

# Achieving High Expectations

## ➤ Standards

— In Iowa, we have many standards



- Accreditation
- Program
- Teaching
- Content
- Performance

# Standards

What is meant by Standards?

Areas under discussion:

- ✓ Content
- ✓ Performance

# Core Content Standards

## Definition:

- A broad statement that identifies the knowledge and skills that students should acquire.

# Core Content Standards

Iowa has mandated content standards in:

- Reading
- Mathematics
- Science

*For example...*

**“Students can interpret data presented in a variety of ways.”**



**3rd Grade Student**



**12th Grade Student**

**“Students can interpret data presented in a variety of ways.”**



**3rd Grade Student**

**“Students can interpret data presented in a variety of ways.”**



Handwritten mathematical work showing the derivation of the quadratic formula. The steps include:  $x = \frac{-b \pm \sqrt{b^2 - 4ac}}{2a}$ ,  $x = \frac{-b \pm \sqrt{4ac - 4ac}}{2a}$ ,  $x = \frac{-b \pm \sqrt{4ac - 4ac}}{2a}$ ,  $x = \frac{-b \pm \sqrt{4ac - 4ac}}{2a}$ , and  $x = \frac{-b \pm \sqrt{4ac - 4ac}}{2a}$ . A yellow pencil is resting on the paper.



**12th Grade Student**



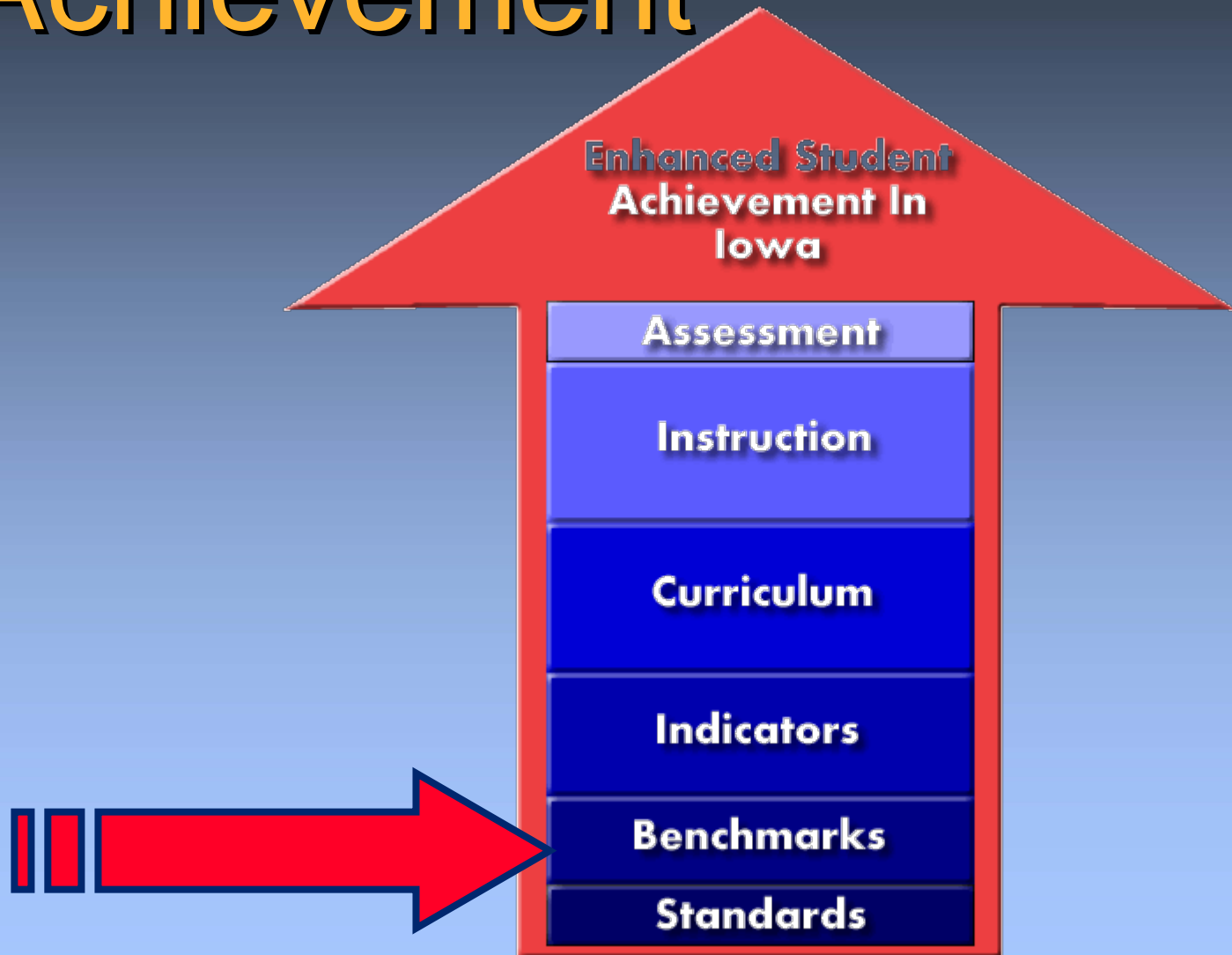
**“Students can interpret data  
presented in a variety of ways.”**

# Supporting High Expectations

- Must have a system to support the content standards:
  - benchmarks
  - grade level expectations
  - curriculum
  - teacher professional development
  - assessments

All created to support the standards and are the essential pieces to ensure rigor and to challenge current student performance.

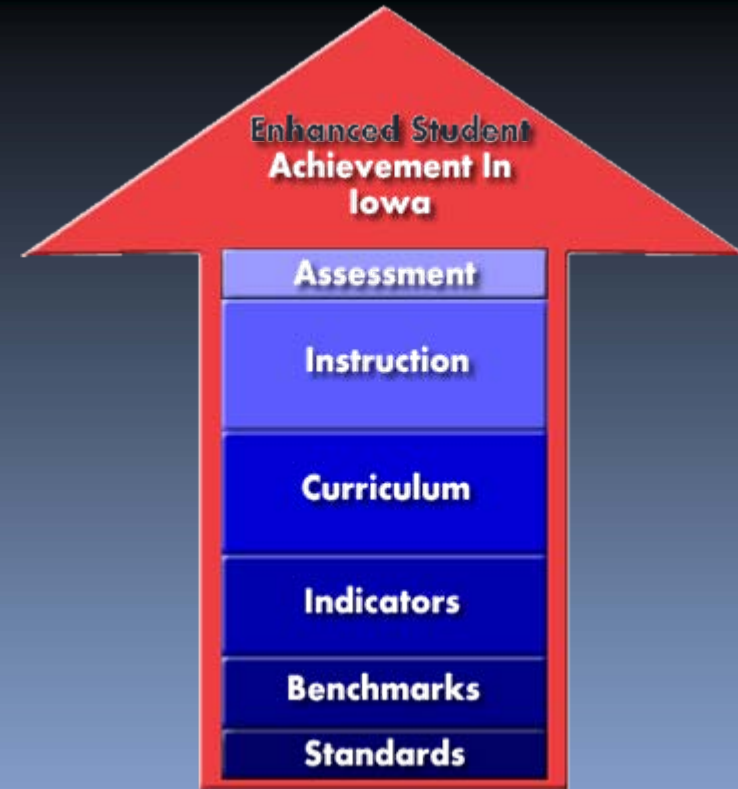
# Enhancing Student Achievement



# Benchmarks

## Definition:

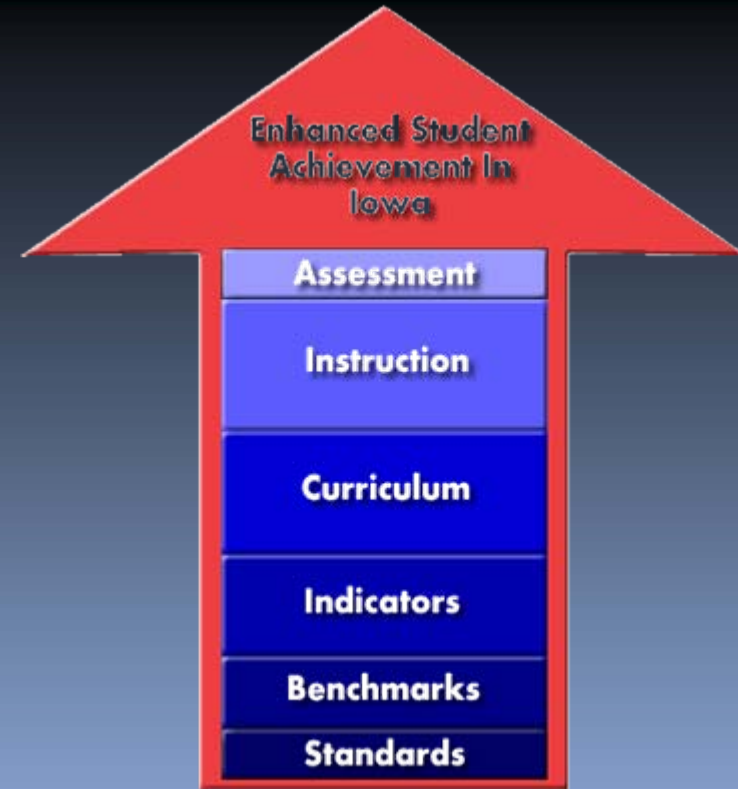
- A learning target for a grade level span



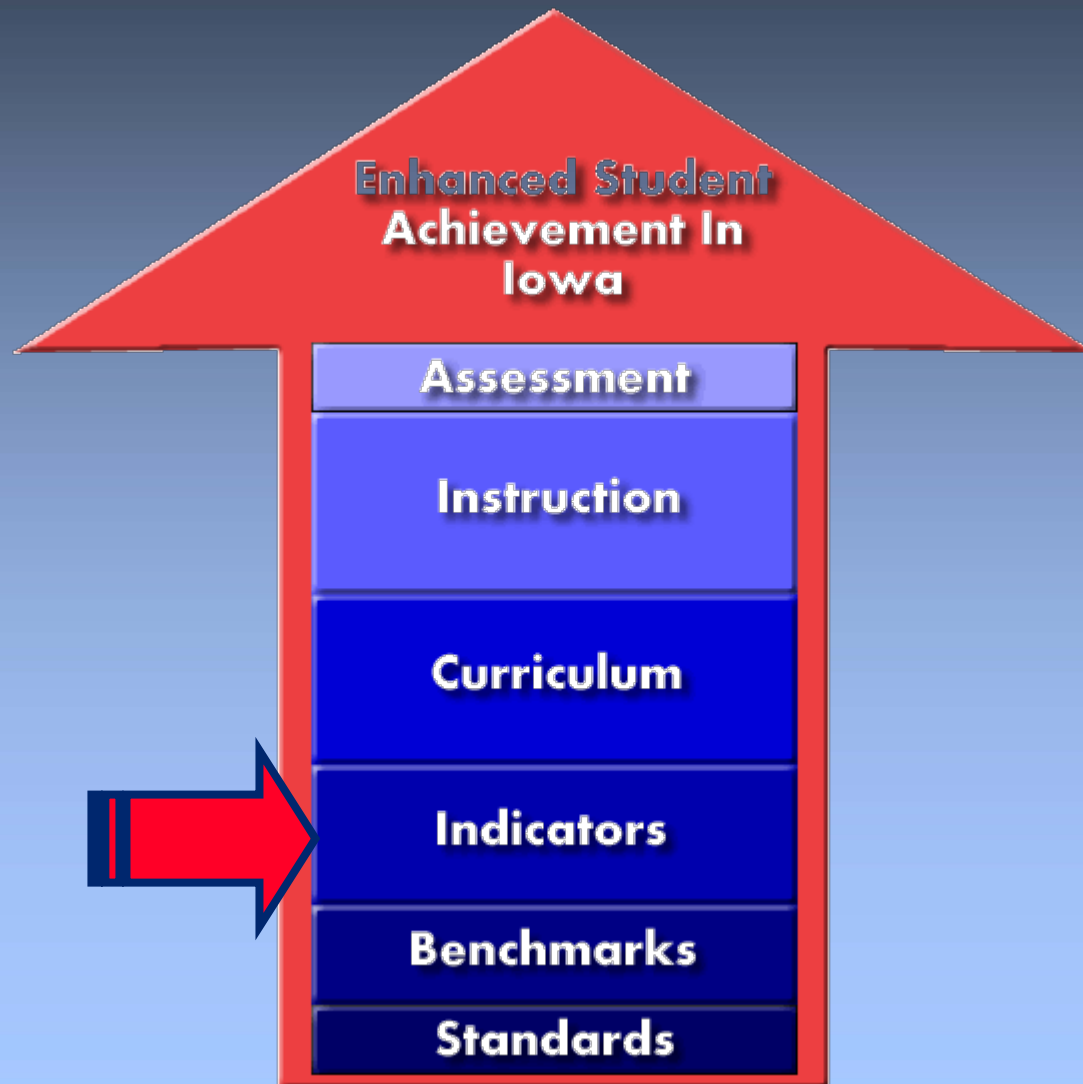
# Benchmarks

## Math Benchmark *Grade 3-5*

"Students can understand  
and apply concepts in  
probability and statistics."



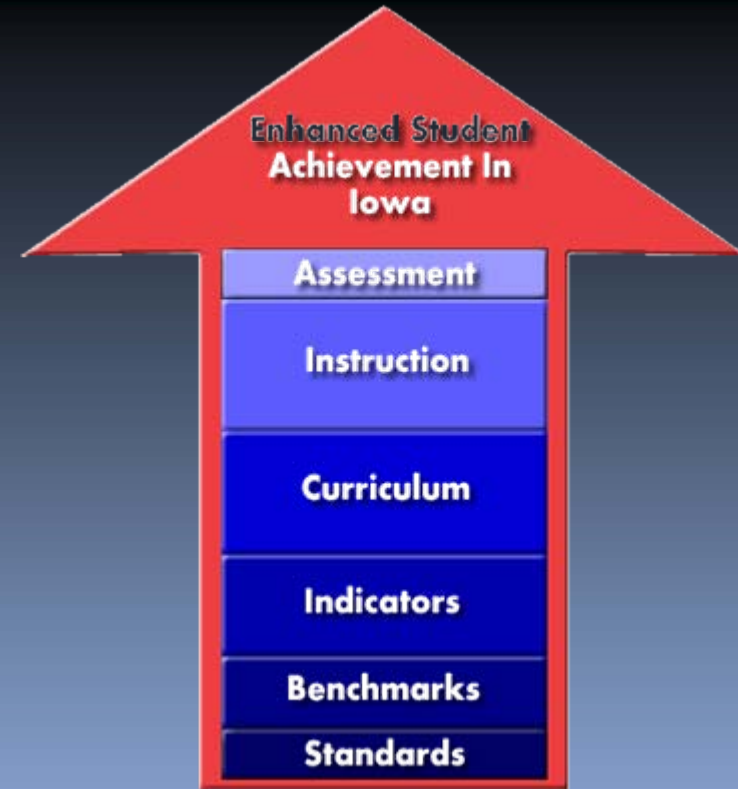
# Enhancing Student Achievement



# Grade Level Indicators

## Definition:

- Further detail
- Shows what learning targets look like for each grade

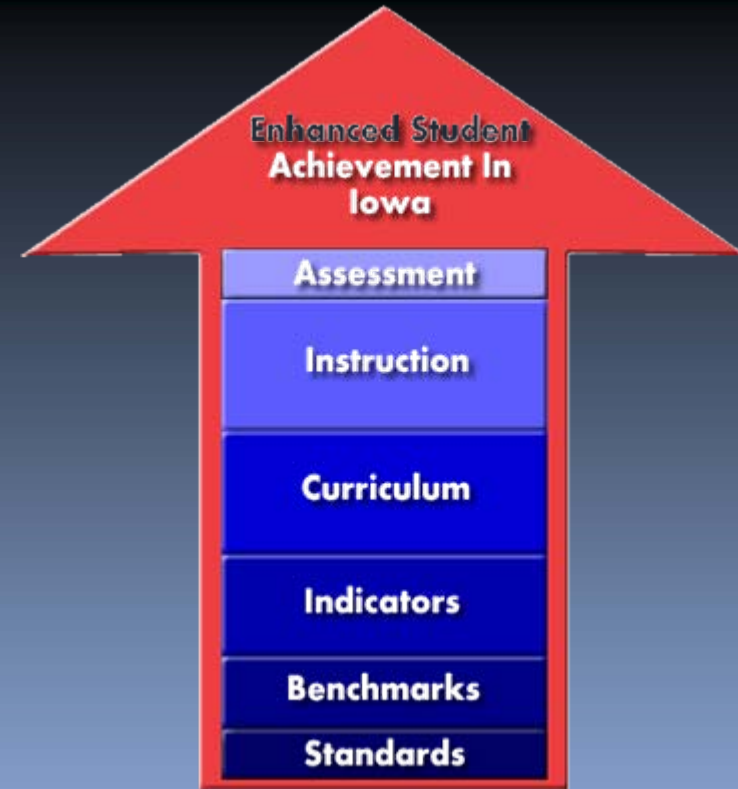


# Grade Level Indicators

Math

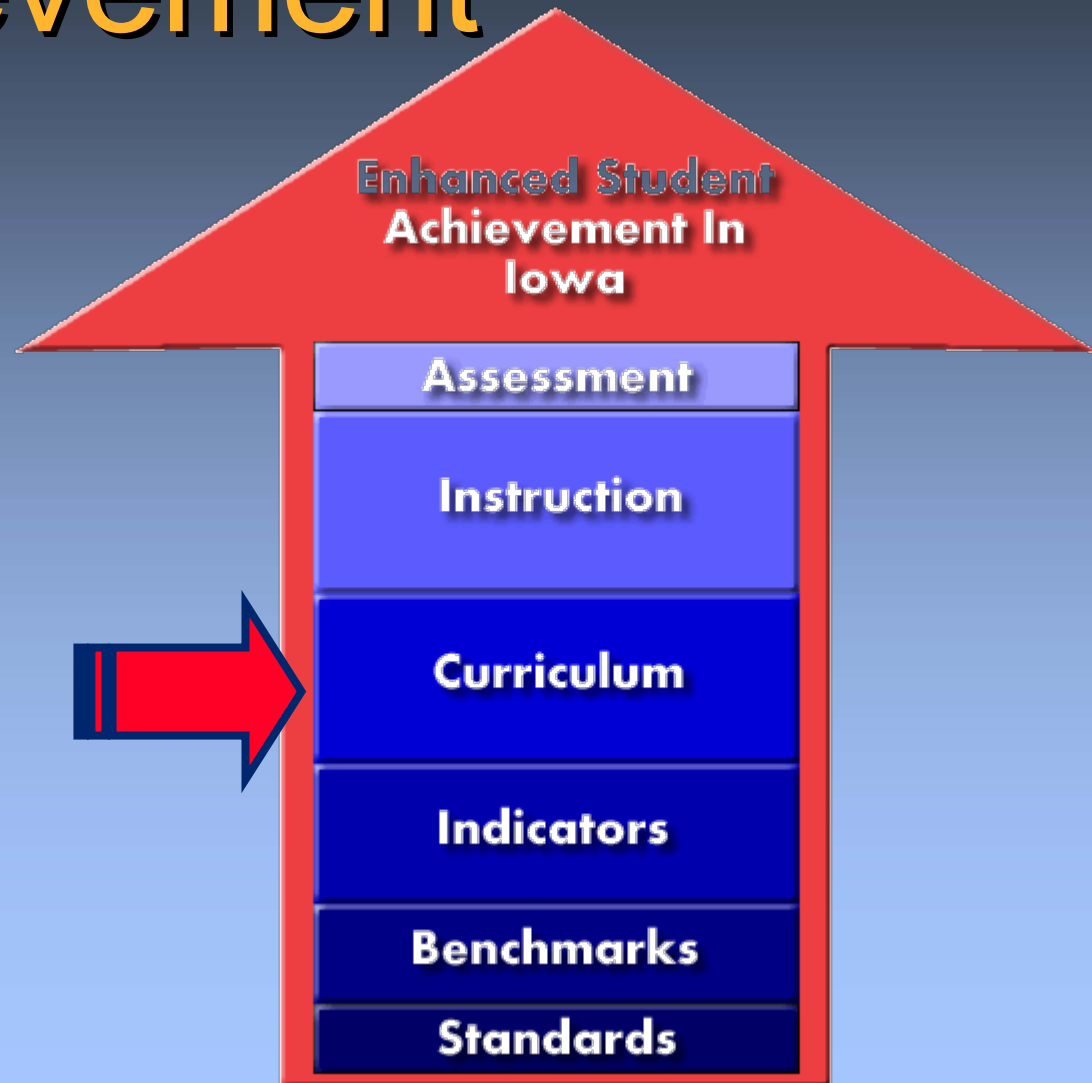
Grade 3

“Use and interpret operational and relational symbols.”



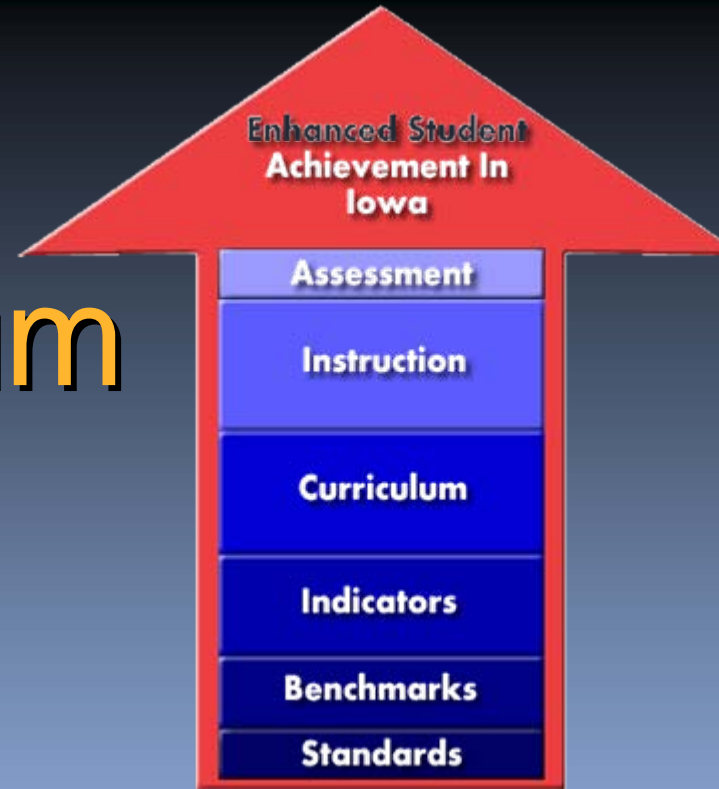


# Enhancing Student Achievement



# Iowa Core Curriculum

- More detail
- K-12 literacy, math, sciences, and social studies
- 21st Century Skills
  - Civic literacy
  - Health literacy
  - Technology literacy
  - Financial literacy
  - Employability skills



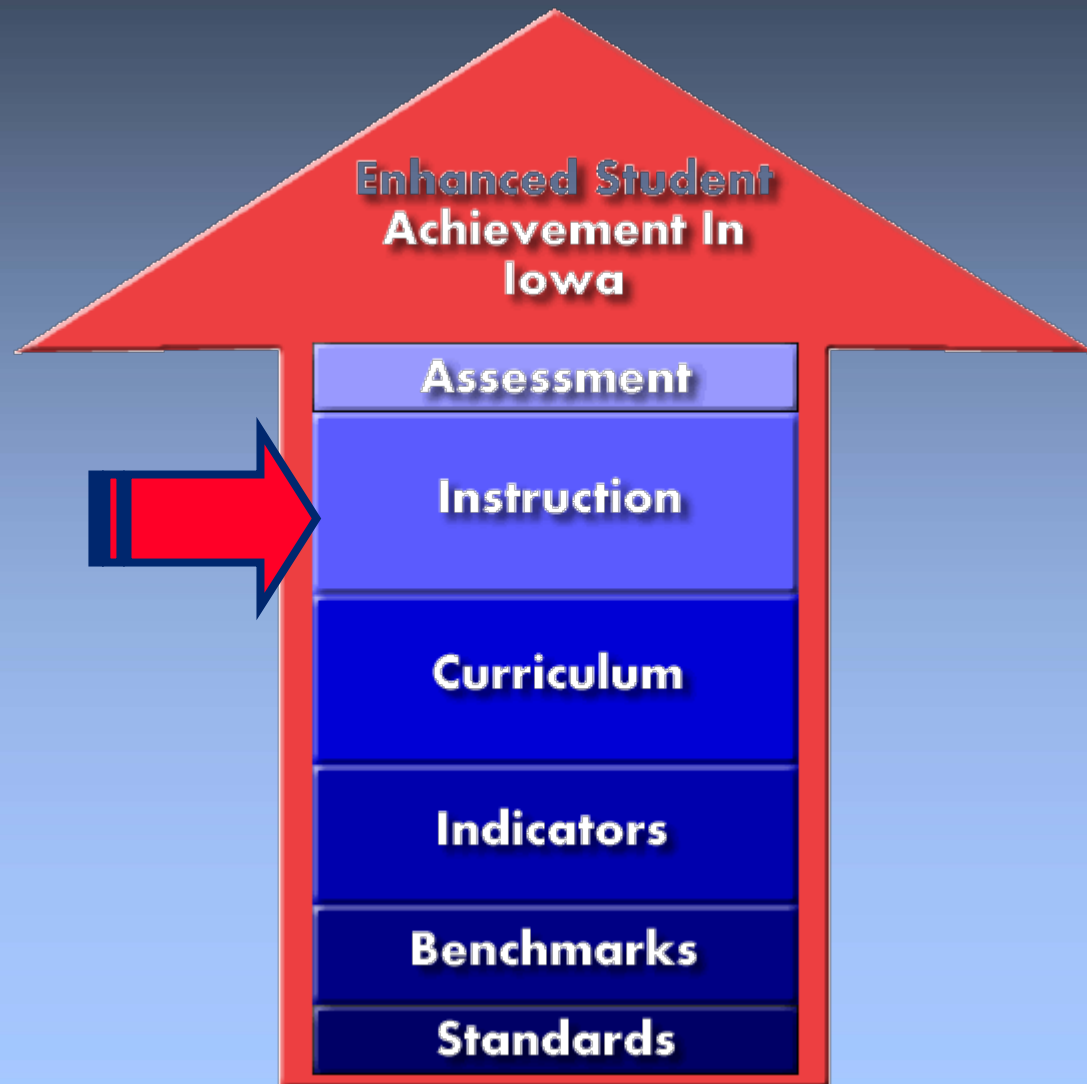
# Iowa Core Curriculum

- Addresses rigor and relevance
- Helps teachers know “what” to teach
- Helps teachers know “how” to teach it
- Supports the state-mandated core content standards

# Iowa Core Curriculum

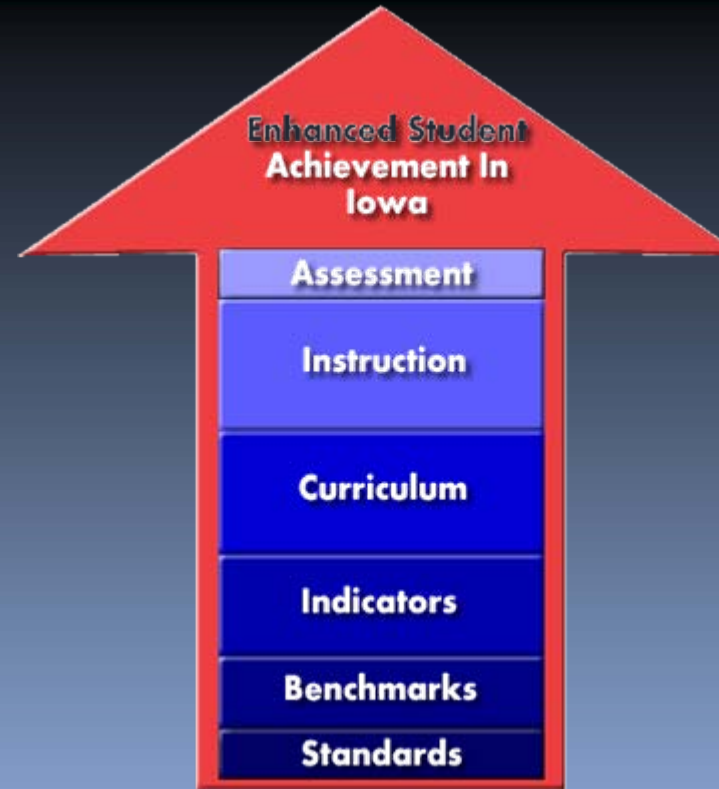
- Incorporated expectations from several sets of national and international expectations including NAEP and ACT
- Development included a variety of resources

# Enhancing Student Achievement

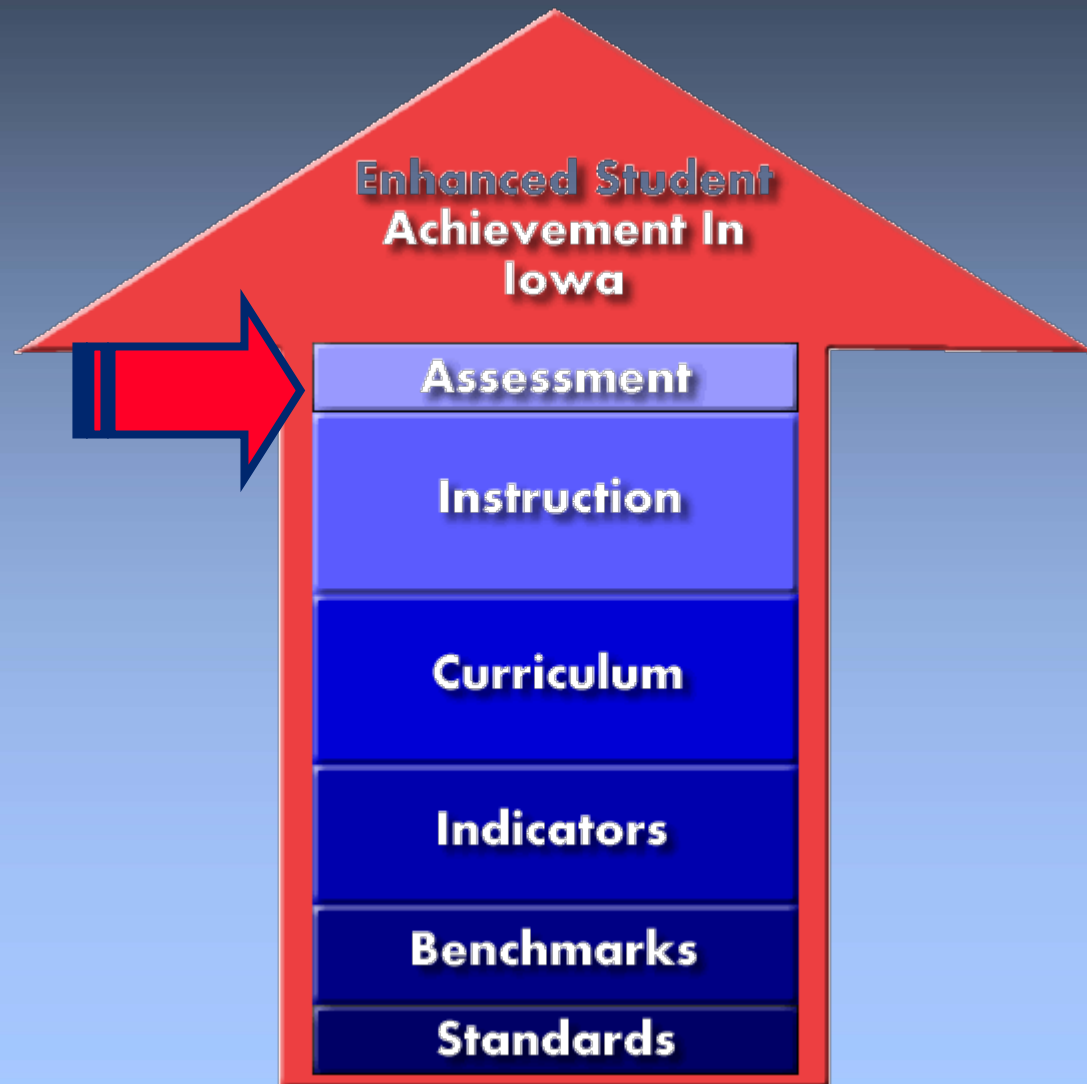


# Instruction

- Units of study
  - Rigor
  - Relevance
  - Classroom assessment
- Professional Development

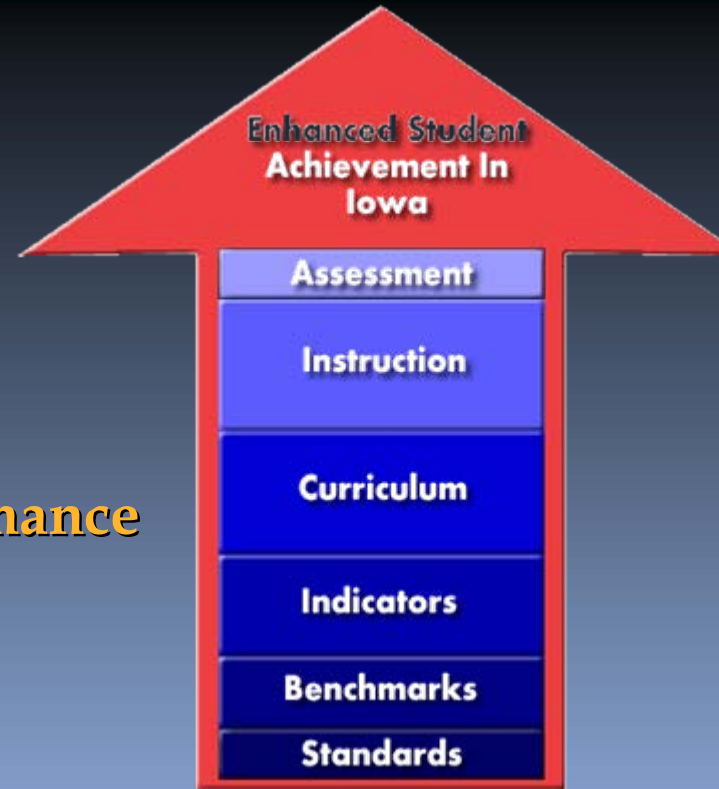


# Enhancing Student Achievement



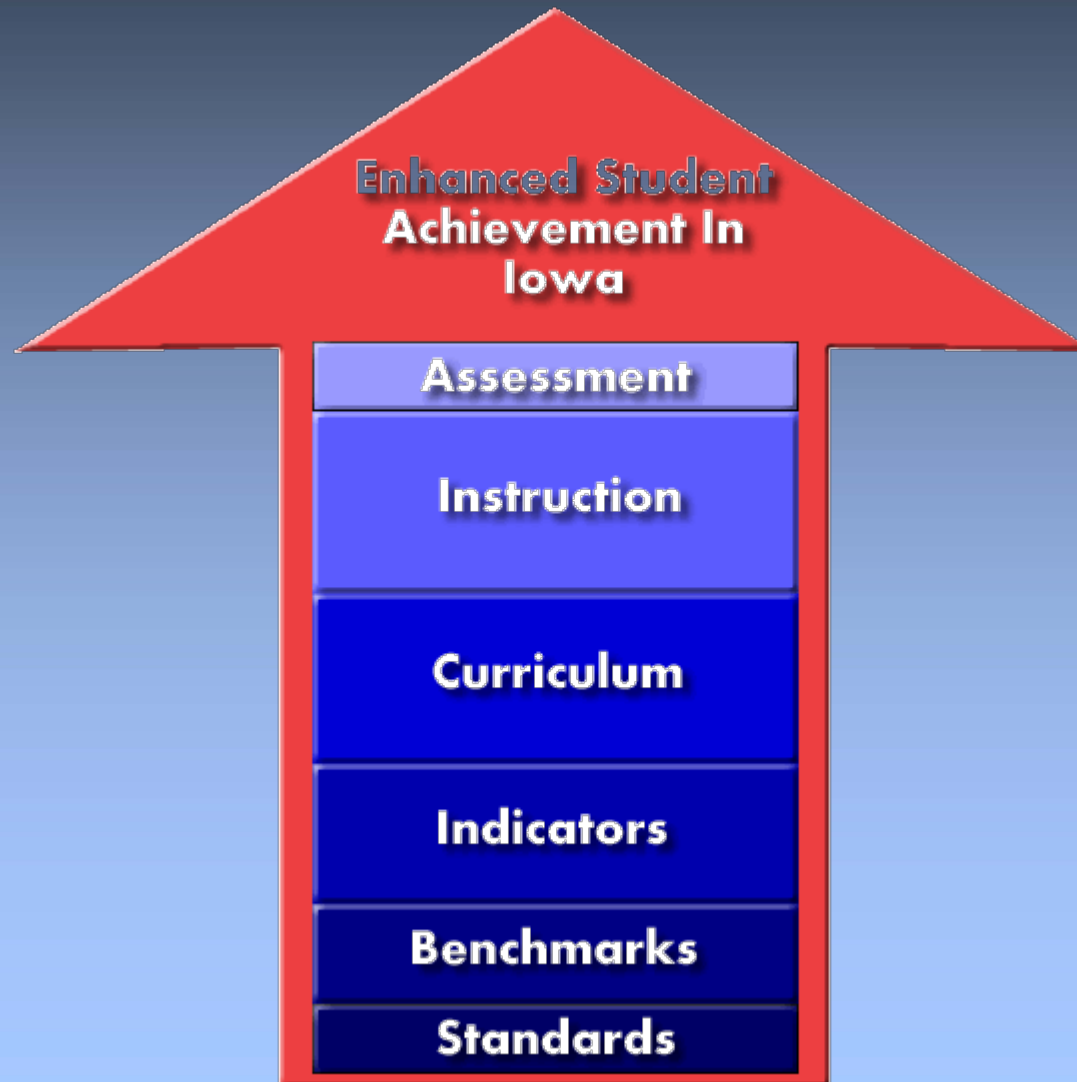
# Assessment

- Performance Standards
- How Well?
  - ◆ We describe levels of performance
    - ◆ High
      - Distinguished
      - Accomplished
    - ◆ Intermediate
      - Skilled
      - Moderate
    - ◆ Low
      - Marginal
      - Weak
- How Do We Know?
  - ◆ ITBS/ITED

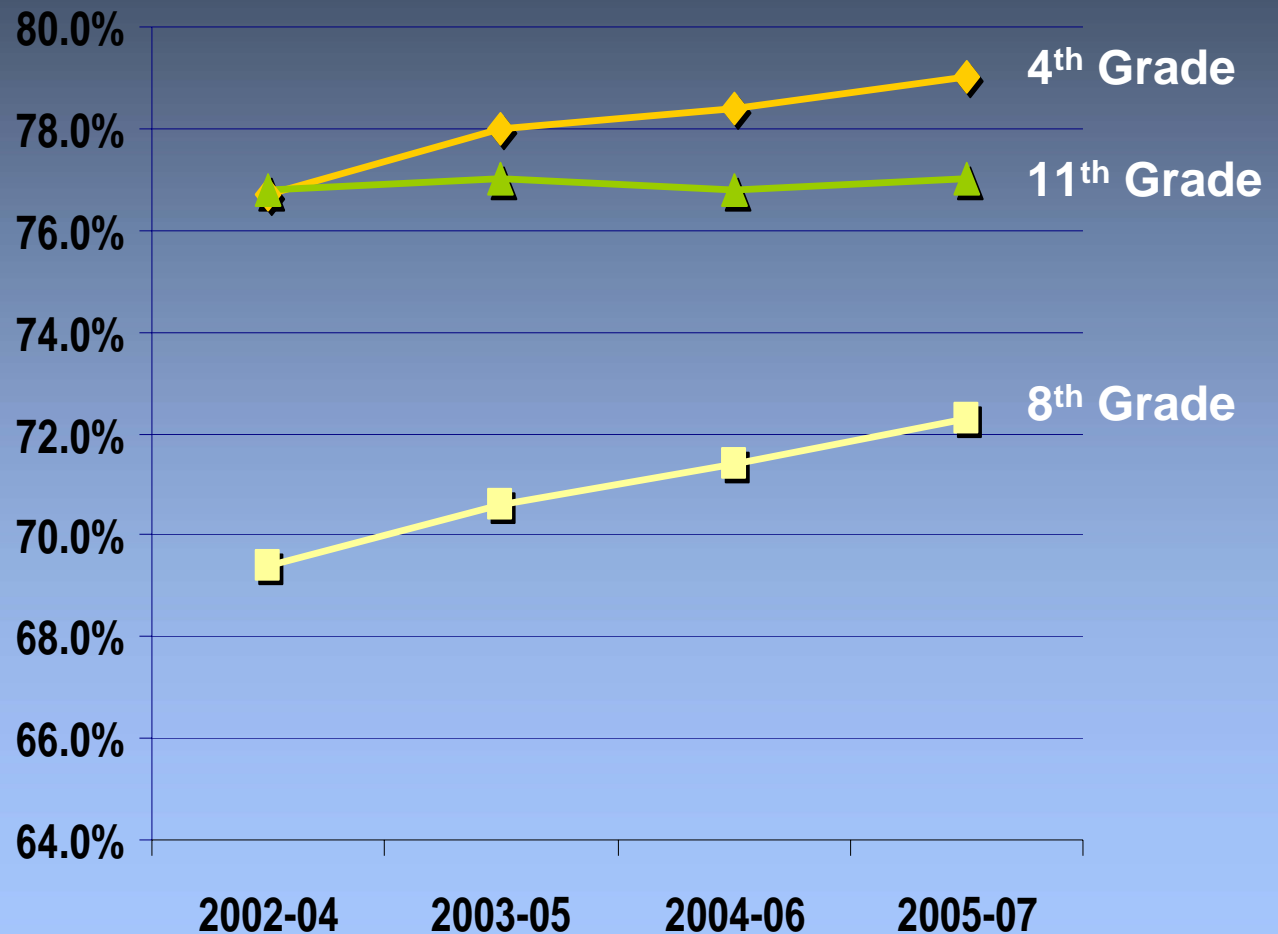




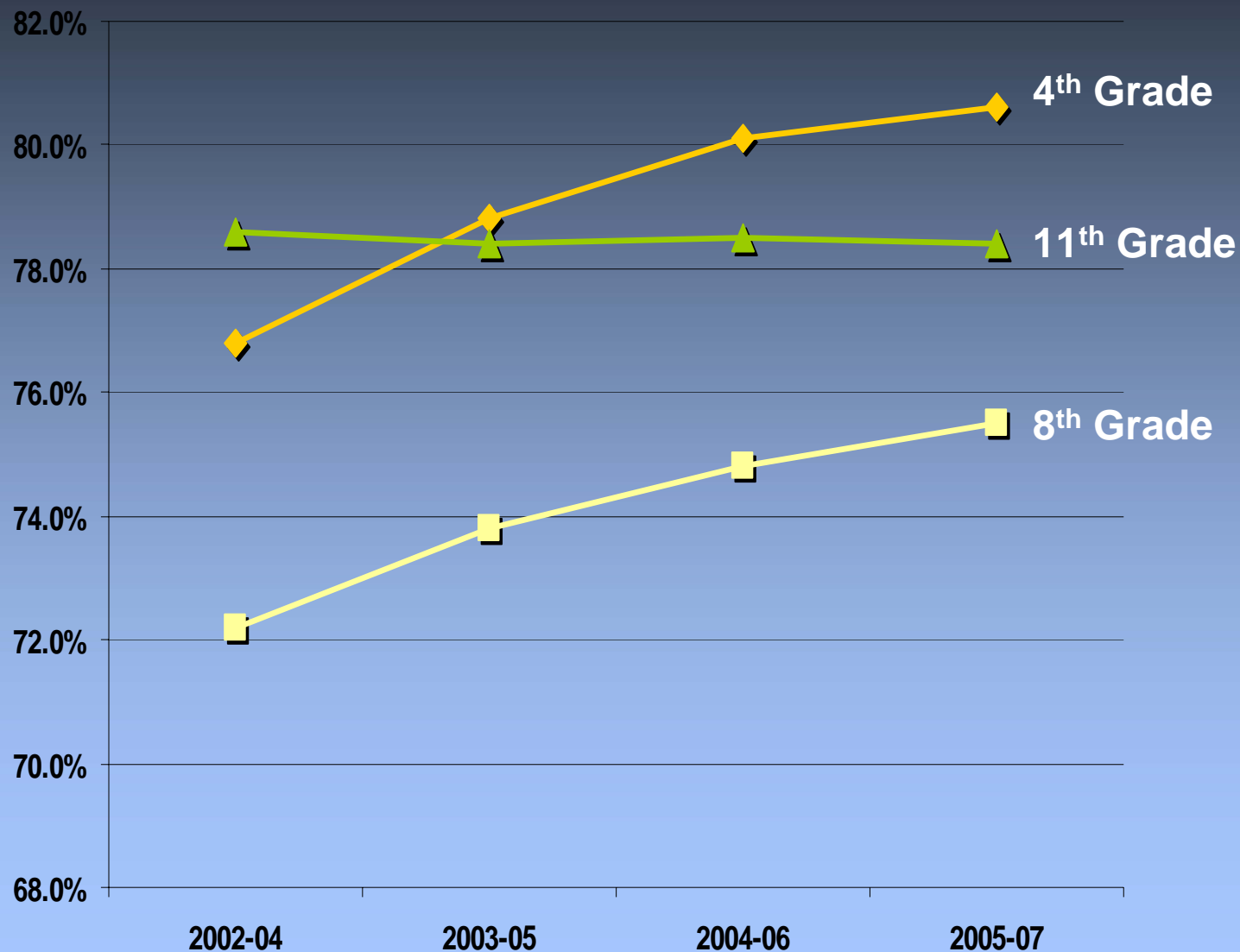
# Enhanced Student Achievement in Iowa



# Reading Trends - ITBS/ITED



# Math Trends - ITBS/ITED



# Quality Education Outcome

- Graduation Rates
- ACT Scores
- SAT scores
- Pursue post secondary opportunities

# Quality to World Class

- Higher expectations
- Great teachers
- Supports for struggling students
- Good start/smooth transitions

# Iowa Students & World Class Education

